

CURRICULUM VITAE

EUROPEAN FORMAT



PERSONAL INFORMATION

First name(s) / Surname(s)

Work Address

Telephone

Mobile

E-mail

Nationality

Date of birth

STEFANO VENTURA

CNR-IRET, VIA MADONNA DEL PIANO 10, 50019 SESTO FIORENTINO FI

+39 0555225995 (ufficio)

+39 3288868232

stefano.ventura@cnr.it

ITALIAN

08/06/1959

SUMMARY OF THE PROFESSIONAL PROFILE

Stefano Ventura has been employed at CNR since 1985, initially as a Researcher, then from 2002 to 2022 as a Senior Researcher and from January 2023 as Research Director. Throughout this period he has consistently investigated issues of microbiology and microbial ecology. He is currently part of IRET - Research Institute on Terrestrial Ecosystems, Firenze branch.

In the first 15 years of his career he studied the biodiversity and taxonomy of several microbial groups, developing and applying molecular approaches for the identification and typing of bacterial strains, in most cases holding a potential application interest.

Subsequently, and up to the present, he has dealt with the molecular microbial ecology of extreme terrestrial environments (polar, tropical, oligotrophic, hyperalkaline, hypersaline or arid habitats), freshwater habitats, and phototrophic biofilms growing on artistic stone artifacts, with particular attention to the dynamics of cyanobacterial populations.

Since 2002, he has constantly carried out field research in polar and high mountain terrestrial ecosystems located in the Svalbard Islands, Greenland, Scandinavian Alps, Altaj Mountains, and in Southern Victoria Land in Antarctica, leading 17 expeditions with researchers from Italy, Norway, Czech Republic, France, Denmark, Austria and Germany. Those field trips were aimed at investigating microbial interactions during primary colonization processes on the front of retreating glaciers and in other deglaciated areas; the structure and composition of soil biocrusts; the cyanobacterial and fungal diversity.

He investigates the biodiversity, molecular phylogeny, taxonomy and nomenclature of cyanobacteria, and serves as a member of the IUMS International Committee on the Systematics of Prokaryotes and its Judicial Commission, of which he has been vice president. He collaborates in the development of an integrated approach to the taxonomy of cyanobacteria, the definition of new nomenclature rules for cyanobacteria and the revision and updating of the International Code of Nomenclature of Prokaryotes. For these activities he is a member of the editorial board of the International Journal of Systematic and Evolutionary Microbiology in which he deals with aspects of nomenclature.

He has led research groups in three European projects and several other national and international projects. He was scientific coordinator of the PNRA WHYCRUST project for the study of the structure and role of biocrusts in deglaciated polar areas. He has been the group leader of MICROTEA, an international, pan-Arctic investigation of terrestrial microbial communities, financed (2012 -2017) by the EU TA project INTERACT for field trips to research stations in Greenland, the Scandinavian Alps and the Altaj Mountains.

For more information:

www.cedefop.eu.int/transparency

www.europa.eu.int/comm/education/index_it.html

www.eurescv-search.com

He was the Italian representative in the ESF CYANOFIX Scientific Program on nitrogen-fixing cyanobacteria, a member of the ESF Pool of Reviewers, and an associate editor of the journal *Algological Studies* until its extinction. He has carried out an intense activity of scientific reviewer of projects and programs for Italian national agencies (MIUR), the European Commission and foreign agencies. He carries out an intense referee activity for scientific journals.

He has taught courses in Microbiology and Environmental Microbiology as an adjunct professor at the University of Bologna. He has been supervisor or co-supervisor of numerous degree and master theses and three PhD theses. As ERASMUS professor he held a series of lectures at the University of Vilnius, Lithuania. He taught at summer schools of international scientific organizations.

He was invited to a hearing of the Foreign and Community Affairs Committee of the Chamber of Deputies of the Italian Parliament on the fact-finding survey on the Italian strategy for the Arctic, where he reported on the European project INTERACT, a coordination network of 87 Arctic research stations in which he was responsible of the CNR unit.

He has been the Head of the Florence branch of the CNR-ISE institute in 2016-2018.

Since October 2018 he has been appointed Scientific Attaché of the Embassy of Italy in Israel. As the Head of the Science Office of the Italian Embassy, he has dealt with the implementation of the Italy-Israel cooperation agreement on industrial, scientific and technological R&D. He initiated and managed the "Accelerate in Israel" program dedicated to the mobility of Italian start-ups in the Israeli innovation ecosystem. He promoted the development of operational relationships of Italian universities, research institutions and companies with the Israeli academic, research, and high-tech environment. The appointment as Scientific Attaché ended after four years by mid-October 2022.

He immediately returned to active research at the Firenze Unit of IRET - Research Institute on Terrestrial Ecosystems, where he holds the role of scientific referent for the institute affiliated to Spoke 3 of the NBFC – National Biodiversity Future Centre.

WORK EXPERIENCE

- Dates (from - to)
- Nome e indirizzo del datore di lavoro
- Tipo di impiego
- Principali mansioni e responsabilità

01/01/2023 - today

Consiglio Nazionale delle Ricerche, Istituto di Ricerca sugli Ecosistemi Terrestri, Sede di Firenze

Research Director (Dirigente di Ricerca)

Scientific research in

- microbial ecology and environmental microbiology
- taxonomy and nomenclature of prokaryotes
- systematics of Cyanobacteria

Coordination of research groups in national and international projects

- Dates (from - to)

- Nome e indirizzo del datore di lavoro

- Occupation or position held

- Main activities and responsibilities

15/10/2018-14/10/2022

Ministry of Foreign Affairs and International Cooperation, Embassy of Italy, Tel Aviv, Israel

Scientific Attaché of the Italian Embassy in Tel Aviv

- Head of the Embassy's Scientific Office
- Management of the Italy - Israel cooperation program in the field of industrial, scientific and technological research and development
- Management of the "Accelerate in Israel" program for the acceleration of Italian start-ups in the Israeli innovation ecosystem
- Care and development of bilateral relations between Italian and Israeli academic and research institutions
- Organization of bilateral scientific-technological seminar events Italy - Israel
- Consultancy and support to the Italian Government in the scientific and technological field in relation to Israel

- Dates (from - to)

- Name and address of the employer

- Occupation or position held

01-31/10/2016; 01/02/2017-19/09/2018

Consiglio Nazionale delle Ricerche, Istituto per lo Studio degli Ecosistemi, Sede di Firenze

Head of the Firenze Branch

For more information:

www.cedefop.eu.int/transparency

www.europa.eu.int/comm/education/index_it.html

www.eurescv-search.com

- Dates (from - to)
- Name and address of the employer
 - Occupation or position held
- Main activities and responsibilities

31/12/2001-31/12/2022

Consiglio Nazionale delle Ricerche, Istituto per lo Studio degli Ecosistemi, Sede di Firenze

Senior Researcher (Primo Ricercatore)

Scientific research in

- microbial ecology and environmental microbiology
- taxonomy and nomenclature of prokaryotes
- systematics of Cyanobacteria

Coordination of research groups in national and international projects

- Dates (from - to)
- Name and address of the employer
 - Occupation or position held

ACADEMIC YEAR 1997-98

Università degli Studi di Bologna, Corso di Laurea in Biotecnologie

Adjunct professor (ex art. 100, lettera d, DPR 382/1980) of Environmental Microbiology

- Dates (from - to)
- Name and address of the employer
 - Occupation or position held

ACADEMIC YEARS 1994-95 AND 1995-96

Università degli Studi di Bologna, Corso di Laurea in Scienze Ambientali, Sede di Ravenna

Adjunct professor (ex art. 100, lettera d, DPR 382/1980) of Microbiology

- Dates (from - to)
- Name and address of the employer
 - Occupation or position held
- Main activities and responsibilities

01/06/1985-30/12/2001

Consiglio Nazionale delle Ricerche, Centro di Studio dei Microrganismi Autotrofi, Firenze

Researcher

Scientific research in

- agricultural and industrial microbiology
- methods for the identification and taxonomy of microorganisms
- systematics of anoxygenic phototrophic bacteria and Cyanobacteria

Coordination of research groups in national and international projects

EDUCATION AND TRAINING

- Dates (from - to)
- Name and type of education or training institution
 - Title of qualification awarded

28/01/2014

Ministry of University and Research, National Scientific Abilitation

Scientific abilitation as Associate Professor of Botany (sector 05/A1)

- Dates (from - to)
- Name and type of education or training institution
 - Title of qualification awarded
 - Livello nella classificazione nazionale (se pertinente)

12/03/1984

Alma Mater Studiorum Università di Bologna

Laurea in Biological Sciences

110/110 with honneurs

- Dates (from - to)
- Name and type of education or training institution
 - Title of qualification awarded

01/10/1973-31/07/1978

Liceo Scientifico Statale Enrico Fermi, Bologna

Maturità Scientifica

PERSONAL SKILLS AND COMPETENCES

MOTHER TONGUE

Italian

OTHER LANGUAGE

- Reading
- Written production
- Spoken production

English

Excellent
Excellent
Excellent

SOCIAL SKILLS AND COMPETENCES

Research laboratory management
Management of field research activities even in extreme cold (polar) and tropical environments
Management of scientific research groups
Management of training activities for students at an academic level
Management of a Scientific Office in an international diplomatic context
Ability to communicate in an international context on scientific and cultural topics
Skills in managing relationships in a non-formal educational context gained as a scout leader

TECHNICAL SKILLS AND COMPETENCES

Linux, Windows, Android OS
LibreOffice
Internet and e-mail
Ability to move and operate safely and independently in natural mountain and polar terrestrial environments

ORGANISATIONAL SKILLS AND COMPETENCES

Coordination and responsibility of research projects

- Dates (from - to) 09/2022-08/2025
 - Role CNR-IRET Scientific leader for Spoke 3
 - Project title National Biodiversity Future Center
- Dates (from - to) 2017
 - Role User Group Leader
 - Project title Response of terrestrial microbial communities to environmental changes in Arctic, Sub-Arctic, and Alpine regions (MIRECASA), Aktru Research Station, Altaj, Russian Federation
- Dates (from - to) 01/10/2016-14/10/2018
 - Role Scientific Leader CNR-DSSTTA Research Unit
 - Project title International Network for Terrestrial Research and Monitoring in the Arctic — INTERACT. EU Project H2020-INFRAIA-2016-2017/H2020-INFRAIA-2016-1 (Coordinator Dr. Margareta Johansson, University of Lund, Sweden)
- Dates (from - to) 10/06/2014-08/12/2016
 - Role Project Coordinator
 - Project title Structure, function, and development of Biological Soil Crusts (BSC) in polar regions: a contribution to understand the ecological role of BSC at the planetary scale (WHYCRUST). Research Project PNRA 2013- Programma Nazionale di Ricerche in Antartide
- Dates (from - to) 28/05/2014-27/11/2016
 - Role Scientific Leader CNR-ISE Unit
 - Project title In-house development of a portable fluorosensor for the investigation of terrestrial microbial communities in Polar environments (SFIDA). Research Project PNRA 2013 - Programma Nazionale di Ricerche in Antartide (Coordinator Dr. Valentina Raimondi, CNR-IFAC)
- Dates (from - to) 09/12/2013-08/06/2016

- Role Scientific Leader CNR-ISE Unit
 - Project title FIED-HAB - Fluorescence based Indices for Early Detection of Harmful Algal Blooms (toxic cyanobacteria) in freshwater ecosystems. R&D bilateral project of industrial, scientific and technological cooperation between Italy and Israel – scientific track 2013 Ministry of Foreign Affairs and International Cooperation (Coordinator Dr. Valentina Raimondi, CNR-IFAC)

- Dates (from - to) 09/2011-08/2014
 - Role User Group Leader
 - Project title MICROTEA Structure and function of microbial communities in challenging, polar terrestrial habitats: a panArctic survey. International User Group per l'Accesso Transnazionale nel progetto EU INTERACT FP7 ad Arctic Station, Disko, Greenland, Zackenberg Station, NE Greenland e Tarfala Station, Kebnekeise, Sweden

- Dates (from - to) 03/2010-09/2012
 - Role Scientific Responsible CNR-ISE Unit
 - Project title Analisi filogenetica molecolare e tassonomia di microrganismi entomopatogeni ed analisi della tossicità di microrganismi ed estratti vegetali su insetti non target. Progetto PRIN 2008: Individuazione e valutazione di nuovi biopesticidi microbiologici e vegetali per il controllo naturale di insetti nocivi (National Scientific Coordinator: Ignazio Floris, University of Sassari)

- Dates (from - to) 14/05/2007-13/05/2008
 - Role Project responsible
 - Project title Fornitura di ceppi di cianobatteri per applicazioni in campo cosmetico, farmaceutico e nutraceutico. Contratto di collaborazione con impresa Fotosintetica & Microbiologica S.r.l., spin-off dell'Università di Firenze

- Dates (from - to) 01/01/2007-31/12/2010
 - Role Responsible of CNR-ISE Unit
 - Project title Diversità strutturale e funzionale della comunità microbica di habitat terrestri polari e glaciali. Modulo TA.P02.021.003 incluso nella commessa La vita e gli adattamenti negli ambienti polari del progetto Cambiamenti globali del Dipartimento Terra e Ambiente del CNR

- Dates (from - to) 01/01/2006-31/12/2006
 - Role Responsible of CNR-ISE Unit
 - Project title Diversità strutturale e funzionale della comunità microbica di habitat terrestri polari e glaciali. Modulo TA.P02.006.010 incluso nella commessa Processi evolutivi in ambienti estremi polari del progetto Cambiamenti globali del Dipartimento Terra e Ambiente del CNR

- Dates (from - to) 01/01/2005-31/12/2007
 - Role RSTL CNR Project Responsible
 - Project title Tecnologie alternative alla PCR per l'ecologia molecolare di comunità microbiche complesse (ALT.ECO). RSTL (Ricerca Spontanea a Tema Libero) CNR

- Dates (from - to) 01/01/2004-31/12/2006
 - Role CNR responsible of the Bilateral Project
 - Project title Evaluation of diversity of selected cyanobacterial groups by polyphasic (molecular, phenotypic) approach - Studio della biodiversità di specifici gruppi cianobatterici con approccio polifasico (molecolare, fenotipico). Project of the bilateral Agreement on Scientific Cooperation between CNR and the Academy of Sciences of the Czech Republic (CNR Responsible Stefano Ventura; Czech Responsible Prof. Jiri Komarek)

- Dates (from - to) 01/01/2002-31/12/2005
 - Role Responsible of CNR-ISE Unit
 - Project title Diversity and changes on temporal and spatial scales of the cyanobacterial community in the high Arctic environment of Spitzbergen, Svalbard Islands. Progetto Strategico Artico del CNR

- Dates (from - to) 01/01/2001-31/12/2002
 - Role Project Responsible

- Project title Studio del problema ambientale e sanitario delle fioriture di cianobatteri nel lago Trasimeno. Convenzione di ricerca con ARPA Umbria
- Dates (from - to) 01/04/2000-30/11/2003
 - Role Responsible of CNR-ISE Unit
 - Titolo progetto Design and testing of DNA microarrays to monitor microbial diversity with adequate biodiversity indexes, using cyanobacteria in freshwater as a model system (MIDI-CHIP). EU Project EVK2-CT99-00026 (Coordinator Dr. Annick Wilmotte, Univ. Liege, Belgium)
- Dates (from - to) 01/10/1998-30/09/2003
 - Role CNR representative in the Steering Committee
 - Project title ESF CYANOFIX - Cyanobacterial Nitrogen Fixation. European Science Foundation Scientific Programme
- Dates (from - to) 01/09/1996-31/08/1999
 - Role Responsible of CSMA-CNR unit
 - Project title Biodiversity: Applied and Systematic Investigations of Cyanobacteria (BASIC). EU Project BIO4-CT96-0256 (Coordinator Dr. Michael Herdman, Institut Pasteur, Unité de Physiologie Microbienne, Paris, France)
- Dates (from - to) 01/01/1994-31/12/1996
 - Role Project responsible
 - Project title Caratterizzazione biologica e microbiologica della flora batterica sviluppatasi nei bacini di stazionamento del percolato da discarica R.S.U. Convenzione di ricerca con Azienda Municipalizzata di Imola (AMI)
- Dates (from - to) 01/01/1992-31/12/2001
 - Role Responsible of Project / Research Line
 - Project title Metodi molecolari per l'identificazione e classificazione dei microrganismi e per il loro monitoraggio ambientale. Linea di Ricerca n. 1 del Centro di Studio dei Microrganismi Autotrofi (CNR-CSMA)

International mobility

- Dates (from - to) 05-26/11/2013
 - Program / provider institution Short Term Mobility Grant CNR
 - Title Analisi tassonomica e filogenetica per lo sfruttamento sostenibile della diversità cianobatterica di ambienti estremi (Taxonomic and phylogenetic analysis for the sustainable exploitation of cyanobacterial diversity of extreme environments)
 - Partner and host institution Dr. Pavel Hrouzek, Institute of Microbiology, Academy of Sciences of the Czech Republic, Department of Phototrophic microorganisms – ALGATECH, Trebon, Czech Republic
- Dates (from - to) 09-30/10/2009
 - Program / provider institution Short Term Mobility Grant CNR
 - Title Ecosistema terrestre polare ed altri ambienti estremi: sviluppo di progetti comuni di ricerca e collaborazioni nell'ambito della comune presenza del CNR e del British Antarctic Survey nell'insediamento scientifico di Ny-Ålesund, Svalbard (Polar terrestrial ecosystem and other extreme environments: development of joint research projects and collaborations within the common presence of the CNR and the British Antarctic Survey in the scientific settlement of Ny-Ålesund, Svalbard)
 - Partner and host institution Dr. Cynan Ellis-Evans, Head, Strategic Coordination Group of the British Antarctic Survey, Cambridge, UK
- Dates (from - to) 17-29/10/2007
 - Program / provider institution Short Term Mobility Grant CNR for visiting foreign scientist (CNR visit responsible: Stefano Ventura)
 - Title The role of soil algae and cyanobacteria in post-volcanic colonization and succession

- Partner and host institution Foreign partner visiting CNR: Ing. CSc. Alena Lukesová, Biology Centre ASCR, Institute of Soil Biology, Academy of Sciences of the Czech Republic, Ceske Budejovice, Czech Republic.
- Dates (from - to) 03-24/09/2006
- Program / provider institution Short Term Mobility Grant CNR
 - Title Struttura e funzione della comunità microbica in ambienti polari terrestri delle isole Svalbard: ruolo dei microrganismi nei processi di colonizzazione primaria e successioni biotiche di suoli deglaciati e biodiversità cianobatterica di habitat particolari. (Structure and function of the microbial community in terrestrial polar environments of the Svalbard Islands: role of microorganisms in the processes of primary colonization and biotic successions of deglaciated soils and cyanobacterial biodiversity of particular habitats.)
- Partner and host institution Dr. Matthias Zielke, Associate Professor, Department of Marine Biotechnology, Norwegian College of Fishery Science, University of Tromsø, Tromsø, Norway
- Dates (from - to) 03-25/11/2005
- Program / provider institution Short Term Mobility Grant CNR
 - Title Applicazione della "molecular microbial ecology pipeline" allo studio della colonizzazione primaria e delle successioni in suoli deglaciati polari, alpini ed himalayani (Application of the "molecular microbial ecology pipeline" to the study of primary colonization and succession in deglaciated polar, alpine and Himalayan soils)
- Partner and host institution Prof. Larry Forney, Chair of Biological Sciences, University of Idaho, Moscow, Idaho, USA
- Dates (from - to) 17/07-15/08/2003
- Program / provider institution ESF Scientific Programme on Cyanobacterial Nitrogen Fixation (CYANOFIX) Travel Grant
 - Title Diversity and changes on temporal and spatial scales of the cyanobacterial community in the high Arctic environment of Spitsbergen, Svalbard Islands
- Partner and host institution Prof. Bjørn Solheim, Università di Tromsø, Norvegia
- Dates (from - to) 28/01-07/02/2003
- Program / provider institution Invited participation to a field trip in Belize
 - Title Biodiversity of cyanobacteria in oligotrophic marshes of Belize
- Partner and host institution Prof. Eliska Rejmankova, Wetland Ecologist, Department of Environmental Science and Policy, University of California, Davis, California, USA

International committees

- Dates (from - to) 08/11/2021-16/12/2021
- Name of the committee / working group Scientific Committee of the 3rd Edition of the program "Accelerate in Israel" for the support of Italian start-up mobility to Israel
 - Institution Italian Embassy in Israel
 - Role held Committee Chairperson
- Dates (from - to) 01/10/2020-16/12/2020
- Name of the committee / working group Scientific Committee of the 2nd Edition of the program "Accelerate in Israel" for the support of Italian start-up mobility to Israel
 - Institution Italian Embassy in Israel
 - Role held Committee Chairperson
- Dates (from - to) 06/06/2019-08/01/2020
- Name of the committee / working group Scientific Committee for the selection of ten Italian start-up for a maturation period in Israel
 - Institution Italian Embassy in Israel
 - Role held Committee Chairperson
- Dates (from - to) 03/03/2018-14/10/2018
- Name of the committee / working group Judicial Commission (JC)

<ul style="list-style-type: none"> group • Institution • Role held 	<p>International Committee on Systematics of Prokaryotes (ICSP) Member elected in the 24th class (supplementary election)</p>
<ul style="list-style-type: none"> • Dates (from - to) • Name of the committee / working group • Institution • Role held 	<p>11/2016-10/2018 INTERACT Transnational Access Selection Board</p> <p>EU Project INTERACT — H2020-INFRAIA-2016-2017/H2020-INFRAIA-2016-1 Member of the selection committee for applications to the Transnational Access Action. Representing the member stations of Svalbard</p>
<ul style="list-style-type: none"> • Dates (from - to) • Name of the committee / working group • Institution • Role held 	<p>22/09/2015-29/04/2020 Comitato paritetico di indirizzo di cui all'art. 7 della Convenzione Quadro tra il CNR e l'Università degli Studi di Siena CNR CNR Representative</p>
<ul style="list-style-type: none"> • Dates (from - to) • Name of the committee / working group • Institution • Role held 	<p>19/02/2014-31/12/2016 Working Group on Arctic Research</p> <p>Dipartimento Scienze del Sistema Terra e Tecnologie per l'Ambiente del CNR Member</p>
<ul style="list-style-type: none"> • Dates (from - to) • Name of the committee / working group • Institution • Role held 	<p>08/2012-10/2018 Special Committee on Harmonization of Nomenclature of Cyanophyta/Cyanobacteria (established in association with relevant appointees from the International Committee on Systematics of Prokaryotes) General Committee for Botanical Nomenclature Membro in quota ICSP</p>
<ul style="list-style-type: none"> • Dates (from - to) • Name of the committee / working group • Institution • Role held 	<p>16/09/2008-09/02/2016 Institute Committee of the Istituto per lo Studio degli Ecosistemi of CNR</p> <p>Istituto per lo Studio degli Ecosistemi del CNR Representative of researchers and technologists</p>
<ul style="list-style-type: none"> • Dates (from - to) • Name of the committee / working group • Institution • Role held 	<p>03/03/2018-14/10/2018 Judicial Commission (JC)</p> <p>International Committee on Systematics of Prokaryotes (ICSP) Member elected in the 24th class (supplementary election)</p>
<ul style="list-style-type: none"> • Dates (from - to) • Name of the committee / working group • Institution • Role held 	<p>27/06/2005-08/07/2017; 07/2023- today Judicial Commission (JC)</p> <p>International Committee on Systematics of Prokaryotes (ICSP) Member elected in the 23rd class and Vice president 2014-2017 Member elected in the 24th class 07/2023 - today</p>
<ul style="list-style-type: none"> • Dates (from - to) • Name of the committee / working group • Institution • Role held 	<p>22/06/2005 - today International Committee on Systematics of Prokaryotes (ICSP)</p> <p>International Union of Microbiological Societies (IUMS) Member representing the Italian Society of General Microbiology and Microbial Biotechnology (SIMGBM)</p>

- Dates (from - to) 24/07/1991 - today
- Name of the committee / working group Subcommittee on Taxonomy of Phototrophic Bacteria
 - Institution International Committee on Systematics of Prokaryotes (ICSP)
 - Role held Member

EDITORIAL ACTIVITIES

- Dates (from - to) 10/2016 - today
- Scientific journal International Journal of Systematic and Evolutionary Microbiology
 - Role held Editorial Board - Nomenclature reviewer
- Dates (from - to) 09/2016
- Scientific journal Rendiconti Lincei. Scienze Fisiche e Naturali.
 - Role held Issue Editor: Volume 27, supplement issue 1, September 2016. Environmental Changes in the Arctic: an Italian Perspective. Issue editors David Cappelletti, Roberto Azzolini, Angelo Viola, Leonardo Langone, Stefano Ventura
- Dates (from - to) from Volume 139 (2012) to Volume 155 (2019 – journal publication ended)
- Scientific journal Algological Studies, International Journal of Phycological Research
 - Role held Associate Editor
- Dates (from - to) from Volume 136 (2011) to Volume 138 (2012)
- Scientific journal Algological Studies, International Journal of Phycological Research
 - Role held Member of the Chief Editorial Board

Reviewer

- Dates (from - to) 2023
- Requesting institution Portuguese Polar Program (PROPOLAR)
- Performed activity Evaluation of a proposal in the Call PROPOLAR 2022-23
- Dates (from - to) 2009-2012
- Requesting institution Member of the ESF Pool of Reviewers (Referee)
- Performed activity Evaluation of research projects and scientific conferences
- Dates (from - to) 2012-2015
- Requesting institution MIUR
- Performed activity Evaluation of research projects on calls:
PRIN 2012 (1 evaluation)
Futuro in Ricerca 2013 (2 evaluations)
SIR 2014 (5 evaluations and rapporteur)
PRIN 2015 (4 evaluations and rapporteur)
- Dates (from - to) 2008-2009
- Requesting institution European Science Foundation
- Performed activity Evaluation of proposals
EUROCORES Programme Theme (1 proposal)
ESF Research Conference (1 proposal)
- Dates (from - to) 2003-2006
- Requesting institution Grant Agency, Academy of Sciences of the Czech Republic

<ul style="list-style-type: none"> • Performed activity 	Evaluation of 4 grant proposals
<ul style="list-style-type: none"> • Dates (from - to) 	2005 - today
<ul style="list-style-type: none"> • Requesting institution 	International scientific journals: International Journal of Systematic and Evolutionary Microbiology Journal of Phycology Systematic and Applied Microbiology Biodiversity and Conservation Hydrobiologia Journal of Applied Phycology Plant Systematics and Evolution Polar Biology Biology and Fertility of Soils Science of the Total Environment World Journal of Microbiology and Biotechnology Algological Studies Fottea Journal of the North American Benthological Society Lif3e Plos One Annals of Microbiology Cryptogamie, Algologie Environmental Microbiology European Journal of Phycology FEMS Microbiology Letters International Biodeterioration & Biodegradation Journal of Applied Microbiology Journal of Oceanology and Limnology New Biotechnology Protoplasma Rendiconti Lincei – Scienze Fisiche e Naturali
<ul style="list-style-type: none"> • Performed activity 	Peer reviewing of scientific articles

TEACHING ACTIVITY

Schools, courses, and tutor activities

<ul style="list-style-type: none"> • Dates (from - to) • Institution 	18-23/10/2010 Università di Vilnius, Lituania, Faculty of Natural Sciences, Department of Botany and Genetics
<ul style="list-style-type: none"> • School / course name 	ERASMUS Mobility Programme, Teaching Assignment at Vilnius University for the Staff of Nonacademic Organisations
<ul style="list-style-type: none"> • Materia di insegnamento 	Taxonomy and Ecology of Cyanobacteria
<ul style="list-style-type: none"> • Dates (from - to) • Institution 	25/06-03/07/2002 European Science Foundation (ESF), UNIS, Longyearbyen, Svalbard, Norway,
<ul style="list-style-type: none"> • School / course name 	ESF-CYANOFIX Summer School 2002 "Cyanobacteria and nitrogen fixation in extreme environments"
<ul style="list-style-type: none"> • Teaching subject 	Molecular methods for the identification and characterization of cyanobacteria. 60 hours
<ul style="list-style-type: none"> • Dates (from - to) • Institution 	19-30/07/1999 European Science Foundation (ESF), Biokeskus, University of Helsinki, Finlandia
<ul style="list-style-type: none"> • School / course name 	ESF-CYANOFIX Summer School 1999 "Characterization of nitrogen fixing cyanobacteria"

- Teaching subject Molecular methods for the identification and characterization of cyanobacteria. 40 hours
- Dates (from - to) 11/04-16/05/1996
 - Institution Università degli Studi di Bologna and Fondazione Flaminia, Ravenna
- School / course name Corso di Laurea in Scienze Ambientali
- Teaching subject Organizzazione del ciclo di seminari per gli studenti del Corso di Laurea: Ambiente e Impiego di Microrganismi, Incontri di Microbiologia
- Dates (from - to) 10/11/1993 - 31/10/1994
 - Institution Università degli Studi di Bologna, Sede di Ravenna
- School / course name Corso di Laurea in Scienze Ambientali
- Teaching subject Seminari specialistici per gli studenti del corso di Microbiologia
- Dates (from - to) 1991-2019
 - Institution Università di Bologna, Università di Firenze, Università di Siena, Università di Vilnius
- School / course name Vari corsi di laurea vecchio ordinamento, triennale e magistrale, scuole di dottorato
- Teaching subject Tutor or co-tutor of 15 laurea thesis
Tutor of a doctorate thesis in Polar Sciences
Co-tutor of 4 doctorate thesis

Organization of conferences

- Dates (from - to) 28/08-02/09/2016
- Conference title 20th Cyanophyte/Cyanobacteria Research Symposium (IAC), Institute of Botany, University of Innsbruck, Austria
 - Role Member of the Scientific and Organizing Committee
- Dates (from - to) 18-20/10/2011
- Conference title CAREX Conference on Life in Extreme Environments (an outcome of the EC Coordinated Action for Research Activities on Life in Extreme Environments), Dublino, Irlanda
 - Role Member of the Organizing Committee
- Dates (from - to) 06-10/11/2001
- Conference title ESF-CYANOFIX Workshop on Natural Communities of Nitrogen-Fixing Cyanobacteria: New Techniques for Field Studies, Bertinoro, Italy
 - Role Chairperson
- Dates (from - to) 26/09-01/10/1999
- Conference title VIII Conference of the International Association of Applied Algology (IAAA), Montecatini, Italia
 - Role Member of the Organizing Committee
- Dates (from - to) 1994-2003
- Conference title 9th, 10th, 11th International Symposium on Phototrophic Prokaryotes
 - Role Member of the International Scientific Committee (Steering Committee)
- Dates (from - to) 10-15/09/1994
- Conference title VIII International Symposium on Phototrophic Prokaryotes, Urbino, Italia
 - Role Secretary of the Local Scientific and Organizing Committee

Keynote and invited lectures

- Date 18/05/2022
- Institution / Meeting Istituto Italiano di Cultura, Tel Aviv, Presentation of the first edition in Hebrew of Galileo Galilei's Dialogo sopra i due massimi sistemi

- Inviting Host Dott.ssa Maria Sica, Director of the Istituto Italiano di Cultura
- Lecture title Freedom and independence of science

- Date 21/10/2016
- Institution / Meeting Department of Botany, Bioecology and Landscape Design, M. Akmullah Bashkir State Pedagogical University (BSPU), Ufa, Russia
- Inviting Host Prof. Lira Gaysina
- Lecture title Microbial communities, with an emphasis on Cyanobacteria, in polar terrestrial habitats of Svalbard

- Date 20/10/2016
- Institution / Meeting Department of Botany, Bioecology and Landscape Design, M. Akmullah Bashkir State Pedagogical University (BSPU), Ufa, Russia
- Inviting Host Prof. Lira Gaysina
- Lecture title Modern approaches to microbial diversity: case studies from polar ecosystems

- Dates 29/08/2016
- Institution / Meeting IAC, 20th Cyanophyte / Cyanobacteria Research Symposium 2016, Innsbruck, Austria,
- Inviting Host Prof. Eugen Rott, President of the Scientific and Organizing Committee
- Lecture title Cyanobacteria in polar terrestrial habitats in the Arctic and Antarctic

- Date 12/02/2016
- Institution / Meeting International Meeting: The Polar Day - Dalle Svalbard (Alto Artico) a Terra Vittoria (Antartide) Verbania Pallanza (VB) - CNR ISE
- Inviting Host Dott.ssa Marina Manca, Director CNR-ISE
- Lecture title Microrganismi, solo microrganismi!

- Date 30/11/2014
- Institution / Meeting Department of Plant and Environmental Sciences, The Silberman Institute of Life Sciences, The Hebrew University of Jerusalem, Israel
- Inviting Host Prof. Aharon Oren
- Lecture title Structure and function of terrestrial microbial communities in the High Arctic

- Date 23/06/2008
- Institution / Meeting Plant and Environmental Sciences Seminar of The Silberman Institute of Life Sciences, The Hebrew University of Jerusalem, Israel.
- Inviting Host Prof. Aharon Oren
- Lecture title Microbial diversity and functions in the High Arctic terrestrial environment of Svalbard

- Date 19/09/2007
- Institution / Meeting Meeting of the Cryptogamy Association of Spain, 18 20 September 2007
- Inviting Host Prof. Marina Aboal
- Lecture title Attention! All cyanobacterial species are dangerous. (A time for new perspectives in cyanobacterial systematics)

- Date 25/06/2007
- Institution / Meeting 17th International Symposium of the IAC, International Association for Cyanophyte Research, Merida, Mexico, 25 - 29 June 2007
- Inviting Host Prof. Gustavo Montejano Zurita, President of the Organizing Committee
- Lecture title Description of cyanobacterial communities through an integrated approach

- Date 10/02/2005
- Institution / Meeting Second Annual Meeting and Workshop on "High value products from microalgae and photobioreactors from laboratory to industrial scale", EC Thematic Network "AlgiNet, Microalgae as Cell Factories for Chemical & Biochemical Productions"
- Inviting Host Dott. Giuseppe Torzillo, Responsabile scientifico e organizzatore del Meeting

- Lecture title Comparison among observed cyanobacterial morphotypes, molecular estimations and isolated strains from different environments: consequences for the search of cyanobacterial diversity

International patent

- Date 2004
- Authors Sivonen, K; Rantala, A; Rouhianen, L; Fewer, D; Rajaniemi, P; Wilmotte, A; Boutte, C; Grubisic, S; Balthasart, P; De Bellis, G; Rizzi, E; Frosini, A; Castiglioni, B; **Ventura, S**; Mugnai, M
- Patent title Method for detecting toxic and non-toxic cyanobacteria
- Patent number WO 2004/104211

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Agnelli, A.; Corti, G.; Massaccesi, L.; **Ventura, S.**; D'Acqui, L. P. Impact of biological crusts on soil formation in polar ecosystems. *Geoderma (Amst.)* **2021**, 401.

Canini, F.; Geml, J.; D'Acqui, L. P.; Buzzini, P.; Turchetti, B.; Onofri, S.; **Ventura, S.**; Zucconi, L. Fungal diversity and functionality is driven by soil texture in Taylor Valley, Antarctica. *Fungal ecology* **2021**, 50.

Severgnini, M.; Canini, F.; Consolandi, C.; Camboni, T.; Paolo D'Acqui, L.; Mascalchi, C.; **Ventura, S.**; Zucconi, L. Highly differentiated soil bacterial communities in Victoria Land macro-areas (Antarctica). *FEMS Microbiology Ecology* **2021**, 97.

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Sesto Fiorentino, 19/09/2023

Stefano Ventura

